

INTERNATIONAL SEARCH REPORT

national Application No

T/GB2004/001698

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B34/14 E21B23/00 E21B23/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 737 244 A (BAKER REUBEN C ET AL) 6 March 1956 (1956-03-06) column 2, line 64 - line 71 column 3, line 18 - line 36	1-3, 7, 9, 13
A	US 5 141 053 A (RESTARICK HENRY L ET AL) 25 August 1992 (1992-08-25) column 5, line 50 - line 59	1-14
A	US 5 335 727 A (CORNETTE H MITCHELL ET AL) 9 August 1994 (1994-08-09) figures 3, 4	1, 9
A	US 6 170 578 B1 (EDWARDS JEFFREY CHARLES ET AL) 9 January 2001 (2001-01-09) figures 6a-7b	1-14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *&* document member of the same patent family

Date of the actual completion of the international search

11 August 2004

Date of mailing of the international search report

09/09/2004

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2737244	A	06-03-1956	NONE	
US 5141053	A	25-08-1992	NONE	
US 5335727	A	09-08-1994	NONE	
US 6170578	B1	09-01-2001	AU 719553 B2	11-05-2000
			AU 2170397 A	22-10-1997
			BR 9708478 A	13-04-1999
			CA 2250228 A1	09-10-1997
			DE 69709075 D1	24-01-2002
			DE 69709075 T2	22-08-2002
			DK 890013 T3	08-04-2002
			EP 0890013 A1	13-01-1999
			ES 2169371 T3	01-07-2002
			WO 9737101 A1	09-10-1997
			NO 984548 A	27-11-1998
			PT 890013 T	31-05-2002